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| B/O Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant | Atty. Docket Number | Serial Number |
| | GIES3002 | 10/525,019 |
| | Applicant Michael GIESING et al. | |
| | Filing Date February 18, 2005 | Group 1636 |

U.S. Patent Documents

| Examiner Initial | Document Number | Date | Patentee/Applicant | Class | Subclass | Filing Date if Appropriate |
|------------------|-----------------|------------|-------------------------|----------------|----------------|----------------------------|
| | 5,246,847 | 09/21/1993 | Jacob R. Hartman et al. | 405 | 189 | 02/27/1992 |
| | 5,260,204 | 11/09/1993 | Konrad Heckl et al. | 435 | 189 | 09/15/1992 |
| | 5,985,633 | 11/16/1999 | Harry S. Nick et al. | 435 | 189 | 09/10/1997 |
| | 2003/0157581 | 08/21/2003 | Hans-Horg Grill et al. | 435 | 0 | |

Foreign Patent Documents

| Examiner Initial | Document Number | Publication Date | Country/Agency | Class | Subclass | Translation | |
|------------------|-----------------|------------------|----------------|-------|----------|-------------|----|
| | | | | | | Yes | No |
| | 2,301,962 | 03/04/1999 | Canada | | | | X |
| | 2,338,751 | 02/10/2000 | Canada | | | X | |
| | 100 54 632 A1 | 05/29/2002 | Germany | | | | X |
| | WO 96/29430 | 09/26/1996 | PCT | | | X | |
| | WO 02/18634 A2 | 03/07/2002 | PCT | | | X | |

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

| | |
|--|--|
| | SARTO, C., et al., "Modified Expression of Plasma Glutathione Peroxidase and Manganese Superoxide Dismutase in Human Renal Cell Carcinoma", Electrophoresis 1999, 20, 3458-3466 |
| | BOER, J.M., et al., "Identification and Classification of Differentially Expressed Genes in Renal Cell Carcinoma by Expression Profiling on a Global Human 31,500-Element cDNA Array", Genome Research, www.genome.org, 11:1861-1870, 2001 Duplicate Citation |
| | MORK, H., et al., "Inverse mRNA Expression of the Selenocysteine-Containing Proteins GI-GPx and SeP Colorectal Adenomas Compared With Adjacent Normal Mucosa", Nutrition and Cancer, 37(1), 108-116, 2000 |
| | SARTO, C., et al., "Renal Cell Carcinoma and Normal Kidney Protein Expression", Electrophoresis 1997, 18, 599-604 |
| | GLADYSHEV, V.N., et al., "Contrasting Patterns of Regulation of the Antioxidant Selenoproteins, Thioredoxin Reductase, and Glutathione Peroxidase, in Cancer Cells", Biochemical and Biophysical Research Communications, 251, 488-493 (1998) Article No. RC989495 |
| | BRAVARD, A., et al., "Modifications of the Antioxidant Enzymes in Relation to Chromosome Imbalances in Human Melanoma Cell Lines", Melanoma Research 1998, 8, pp. 329-335 |
| | PESKIN, A. V., et al., "Superoxide Dismutase and Glutathione Peroxidase Activities in Tumors", FEBS LETTERS, Vol. 78, No. 1, June 1977, 41-45 |
| | KAHLOS, K., et al., "Manganese Superoxide Dismutase in Healthy Human Pleural Mesothelium and in Malignant Pleural Mesothelioma", Am. J. Respir. Cell Mol. Biol., Vol. 18, pp. 570-580, 1998 |
| | DVORAKOVA, K., "Molecular and Cellular Characterization of Imexon-Resistant RPMI8226/Myeloma Cells", Molecular Cancer Therapeutics, Vol. 1, p. 185-195, January 2002 |

Examiner

Date Considered

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

| | |
|--|--|
| | ASIKAINEN, T.M., et al., "Expression and Developmental Profile of Antioxidant Enzymes in Human Lung and Liver", A. J. Respir. Cell Mol. Biol., Vol. 19, pp. 942-949, 1998 |
| | LI, Z., et al., "Genes Regulated in Human Breast Cancer Cells Overexpressing Manganese-Containing Superoxide Dismutase", Free Radical Biology & Medicine, Vol. 30, No. 3, pp. 260-267, 2001 |
| | MERCATANTE, K.R., et al., "Control of Alternative Splicing by Antisense Oligonucleotides as a Potential Chemotherapy: Effects on Gene Expression", Biochem & Biophys Acta, 2002, July 18, 1587 (2-3): 126- 132 |
| | JANSSEN, AML, et al., "Superoxide Dismutases in Relation to the Overall Survival of Colorectal Cancer Patients", British Journal of Cancer (1998) 78(8), 1051-1057 |
| | JANSEEN, AML, et al., "Superoxide Dismutases in Gastric and Esophageal Cancer and the Prognostic Impact in Gastric Cancer", Clinical Cancer Research, Vol. 6, 3183-3192, August 2000 |
| | RIA, F., et al., "The Level of Manganese Superoxide Dismutase Content is an Independent Prognostic Factor for Glioblastoma Biological Mechanisms and Clinical Implications", British Journal of Cancer (2001) 84(4), 529-534 |
| | GIESING, M., et al., "Independent Prognostication and Therapy Monitoring of Breast Cancer Patients by DNA/RNA typing of Minimal Residual Cancer Cells", The International Journal of Biological Markers, Vol. 15, No. 1, pp. 94-99 2000 |
| | BARRA, D., et al., "The Primary Structure of Human Liver Manganese Superoxide Dismutase", The Journal of Biological Chemistry, Vol. 259, No. 20, Issue of Oct. 25, 12595-12601, 1984 |
| | "GeneChip® Human Genome U133 Set, Comprehensive Coverage of All Well-Substantiated Genes in the Human Genome", Gene Expression Monitoring, Affymetrix, printed 1-21-2002, pages 1-2 |
| | STOEHLMACHER, J., et al, "The -9 Ala/-9Val polymorphism in the mitochondrial targeting sequence of the manganese superoxide dismutase gene (MnSOD) is associated with age among Hispanics with colorectal carcinoma", Oncol. Rep., 2002 Mar-Apr, 9(2):235-8 (Abstract) |
| | FORSBERG, L., et al., "Low yield of polymorphisms from EST blast searching: analysis of genes related to oxidative stress and verification of the P197L polymorphism in GPX1", Hum. Mutat. 1999, 13(4):294-300 (Abstract) |
| | LI, S., et al., "The Role of Cellular Glutathione Peroxidase Redox Regulation in the Suppression of Tumor Cell Growth by Manganese Superoxide Dismutase", Cancer Research 60, 3927-3939, July 15, 2000 (Abstract) |
| | SODERBERG, A., et al., "Thioredoxin Reductase, a Redox-active Selenoprotein, Is Secreted by Normal and Neoplastic Cells: Presence in Human Plasma", Cancer Research 60, 2281-2289, April 15, 2000 (Abstract) |
| | BECKER, K., et al. "Thioredoxin reductase as a pathophysiological factor and drug target", Eur. J. Biochem. 267, 6118-6125 (2000) (Abstract) |
| | SOINI, Y., et al., "MnSOD expression is less frequent in tumour cells of invasive breast carcinomas than in in situ carcinomas or non-neoplastic breast epithelial cells", J. Pathol. 2001 Sept, 195(2):156-62 (Abstract) |

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| Examiner | Date Considered |
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